

REMARKS

Prior to entry of this Response, claims 1-19 were pending in this application. Claims 1, 9, and 15 have been amended. Claim 20 has been added and no claims have been canceled. Therefore, claims 1-20 remain presented for examination. Applicant respectfully requests the Examiner reconsider the application in view of the amendments and the following remarks.

Objection

The abstract was objected to because of an unnecessary phrase. Applicants have made the appropriate correction. Accordingly, Applicants respectfully request the objection to the specification be withdrawn.

35 U.S.C. §102 Rejection, Gurijala et al.

The Office Action has rejected claims 1, 5-8 and 15-19 under 35 U.S.C. §102(e) as being anticipated by the cited portions of U.S. Patent No. 6,601,090 to Gurijala et al. (hereinafter "Gurijala"). Applicants respectfully request the rejection be withdrawn as Gurijala fails to teach or suggest all of the recitations of these claims in their amended form.

Claim 1, as amended, recites a content exchange apparatus comprising a content tracker "configured to receive identifiers from a plurality of origin servers." The content exchange apparatus further comprises an origin server database comprising a list of the origin servers identified to the content tracker by the respective origin server." Applicants respectfully submit that Gurijala does not teach these recitations of claim 1.

Gurijala discloses an object caching system for an intranet. A plurality of web cache servers couples to the intranet and to the Internet and stores Internet objects previously retrieved from the Internet. Gurijala, col. 2, ll. 22-25. A cache name server receives requests from web clients for Internet objects and directs the web clients to a web cache server. Id., at col. 2, ll. 25-28. Web cache servers service requests by either returning a previously stored copy of the object or retrieving the object from the Internet. Id., at col. 2, ll. 28-34. The cache name

server maintains a database with entries including, among other things, the identity of an object, the identity of the web cache server storing a copy of the object. Id., at col. 5, ll. 42-49.

In contrast to claim 1, Gurijala does not disclose an origin server database comprising a list of origin servers identified to the content tracker by the respective origin server. The cache name server in Gurijala does maintain a data storage having the identity of objects (such as the URI) stored by web cache servers. Id., at col. 5, ll. 45-49. However, these object identifiers are sent to the cache name server by the respective web cache server storing the content. Id., at col. 5, ll. 42-45. Gurijala does not teach or suggest that a content tracker receives identifiers from origin servers originating content stored in a content store.

Applicants also respectfully submit that the recitations of claim 15, as amended, are not disclosed by Gurijala. Claim 15 recites "storing content objects obtained from an origin server by the content exchange" and "receiving information about the origin server from the origin server." The information is stored in a database. As previously discussed, Gurijala does not teach or suggest receiving information from an origin server which originates content objects. Gurijala also does not store information about the origin server, which was received from the origin server, in a database.

As Gurijala fails to teach or suggest the recitations of claim 1 and 15 discussed above, Applicants respectfully submit these claims are allowable. Claims 5-8 and 16-19 depend on claim 1 or 15 and are accordingly believed to be allowable for at least the same reasons.

Applicants also respectfully submit that the dependent claims are allowable for additional reasons. For instance, claim 5 recites the content store is divided into a first section and a second section. The first section comprises a cache where less frequently requested content objects are purged in favor of more frequently requested content objects and the second section comprises a file system where content objects remain stored in the content store for a period of time regardless of request frequency. In Gurijala, frequently requested content objects may be stored by more than one web cache server and may be periodically removed so that new copies are frequently obtained (refreshed). Id., at col. 6, ll. 4-15. Gurijala also discloses that the cache name server will periodically perform entry aging to delete over-aged objects. Id., at col. 6, ll. 50-56. However, Applicants respectfully submit that Gurijala fails to disclose a content

store divided into two sections, in which objects in the first section are purged in favor of more frequently requested objects and a second section where content objects are stored indefinitely. Therefore, Applicants respectfully submit that claim 5 is allowable for these additional reasons. Additionally, newly added claim 20 is also believed to be allowable for similar reasons, as claim 20 also disclosed a content store with two sections similar to claim 5.

35 U.S.C. §103 Rejection, Gurijala et al. in view of Chase

The Office Action has rejected claims 2-4 and 9-14 under 35 U.S.C. §103(a) as being unpatentable over the cited portions of U.S. Patent No. 6,601,090 to Gurijala et al. (hereinafter "Gurijala") in view of the cited portions of European Patent No. 0877326A2 to Chase (hereinafter "Chase"). Chase also fails to teach or suggest the recitations of claim 1 discussed above. Accordingly, claims 2-4, which depend on claim 1, are believed to be allowable for at least the same reasons. Claim 9 and its dependent claims 10-14 are also believed to be allowable for similar reasons.

Claim 9, as amended recites the first content exchange comprises an origin server database comprising a list of origin servers identified to the content tracker by the respective origin server. As previously discussed, Gurijala fails to teach or suggest that origin servers identify themselves to the content exchange. Chase also fails to teach or suggest these recitations. Applicants therefore submit that claim 9 is allowable. As claims 10-14 depend from claim 9, Applicants also respectfully submit that these claims are allowable for at least the same reasons.

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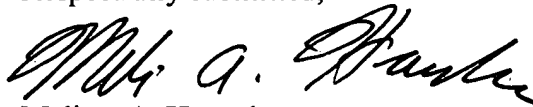
REQUEST FOR TELEPHONE INTERVIEW

If there remain any issues of allowance with this application, the Applicants respectfully request the Examiner telephone the undersigned at 303-571-4000.

CONCLUSION

In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Melissa A. Haapala', is written over the printed name.

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